

Release notes for ENDF/B Development e-061_Pm_000
evaluation

ENDF
B-VII.dev

October 13, 2016

- fudge-4.0 Warnings:

1. Mislabelled emitted particle
Reading ENDF file: ../e-061_Pm_000.endf (Error # 0): ZAP messed up

WARNING: photon most likely labelled as an electron (ZAP = 11), converting to ZAP = 0
2. FIXME: Generic fudge unimplemented message
reaction label 1: e- + Pm + gamma [bremsstrahlung] / Product: e- (Error # 0): Generic unimp (c)

WARNING: Checking not yet implemented for energyLoss type data
3. FIXME: Generic fudge unimplemented message
reaction label 2: e- + Pm [excitation] / Product: e- (Error # 0): Generic unimp (c)

WARNING: Checking not yet implemented for energyLoss type data

- fudge-4.0 Errors:

1. Calculated and tabulated thresholds don't agree
reaction label 0: e- + Pm [large angle Coulomb scattering] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
2. Calculated and tabulated thresholds don't agree
reaction label 1: e- + Pm + gamma [bremsstrahlung] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
3. Calculated and tabulated thresholds don't agree
reaction label 2: e- + Pm [excitation] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
4. Calculated and tabulated thresholds don't agree
reaction label 3: e- + e- + Pm1s1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 45219. eV!
5. Calculated and tabulated thresholds don't agree
reaction label 4: e- + e- + Pm2s1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 7394.1 eV!
6. Calculated and tabulated thresholds don't agree
reaction label 5: e- + e- + Pm2p1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 7019.2 eV!
7. Calculated and tabulated thresholds don't agree
reaction label 6: e- + e- + Pm2p3/2 / Cross section: (Error # 0): Threshold mismatch

- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 6451.9 eV!
8. Calculated and tabulated thresholds don't agree
reaction label 7: $e^- + e^- + Pm3s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1625.1 eV!

 9. Calculated and tabulated thresholds don't agree
reaction label 8: $e^- + e^- + Pm3p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1461.6 eV!

 10. Calculated and tabulated thresholds don't agree
reaction label 9: $e^- + e^- + Pm3p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1346.9 eV!

 11. Calculated and tabulated thresholds don't agree
reaction label 10: $e^- + e^- + Pm3d3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1059.6 eV!

 12. Calculated and tabulated thresholds don't agree
reaction label 11: $e^- + e^- + Pm3d5/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1034.6 eV!

 13. Calculated and tabulated thresholds don't agree
reaction label 12: $e^- + e^- + Pm4s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 328.07 eV!

 14. Calculated and tabulated thresholds don't agree
reaction label 13: $e^- + e^- + Pm4p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 265.01 eV!

 15. Calculated and tabulated thresholds don't agree
reaction label 14: $e^- + e^- + Pm4p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 239.87 eV!

 16. Calculated and tabulated thresholds don't agree
reaction label 15: $e^- + e^- + Pm4d3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 135.05 eV!

 17. Calculated and tabulated thresholds don't agree
reaction label 16: $e^- + e^- + Pm4d5/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 130.59 eV!

 18. Calculated and tabulated thresholds don't agree
reaction label 17: $e^- + e^- + Pm4f5/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 8.880000000000001 eV!

19. Calculated and tabulated thresholds don't agree
reaction label 18: $e^- + e^- + Pm4f7/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 8.35 eV!

20. Calculated and tabulated thresholds don't agree
reaction label 19: $e^- + e^- + Pm5s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 46.27 eV!

21. Calculated and tabulated thresholds don't agree
reaction label 20: $e^- + e^- + Pm5p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 28.96 eV!

22. Calculated and tabulated thresholds don't agree
reaction label 21: $e^- + e^- + Pm5p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 25.46 eV!

23. Calculated and tabulated thresholds don't agree
reaction label 22: $e^- + e^- + Pm6s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 5.03 eV!

• **xsectplotter** Warnings:

1. Mislabeled emitted particle
Error: ZAP messed up

stderr while processing crossSection

WARNING: photon most likely labelled as an electron (ZAP = 11), converting to ZAP = 0
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